

BRAIN RESEARCH

MOLECULAR BRAIN RESEARCH

VOL. 66 NOS. 1,2

CONTENTS

20 MARCH 1999

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences

Guidelines for the submission of manuscripts

v

Research reports

A novel type of non-coding RNA expressed in the rat brain	1
Y. Komine, N.K. Tanaka, R. Yano, S. Takai, S. Yuasa, T. Shiroishi, K. Tsuchiya and T. Yamamori (Japan)	
Nicotinic receptor binding sites in rat primary neuronal cells in culture: characterization and their regulation by chronic nicotine	14
M.I. Dávila-García, R.A. Houghtling, S.S. Qasba and K.J. Kellar (USA)	
Gene expression of histamine H1 receptor in guinea pig primary sensory neurons: a relationship between H1 receptor mRNA-expressing neurons and peptidergic neurons	24
H. Kashiba, H. Fukui, Y. Morikawa and E. Senba (Japan)	
Dehydroepiandrosterone (DHEA) protects hippocampal cells from oxidative stress-induced damage	35
S. Bastianetto, C. Ramassamy, J. Poirier and R. Quirion (Canada)	
NMDAR-2A subunit protein expression is reduced in the hippocampus of rats exposed to Pb ²⁺ during development	42
M.K. Nihei and T.R. Guilarte (USA)	
Molecular pathways mediating activation by kainate of mitogen-activated protein kinase in oligodendrocyte progenitors	50
H.-N. Liu, J.N. Larocca and G. Almazan (Canada, USA)	
Differential effects of GDNF and BDNF on cultured ventral mesencephalic neurons	62
L. Feng, C.-Y. Wang, H. Jiang, C. Oho, K. Mizuno, M. Dugich-Djordjevic and B. Lu (USA, China)	
Developmental changes in nicotinic receptor mRNAs and responses to nicotine in the suprachiasmatic nucleus and other brain regions	71
B.F. O'Hara, E. Macdonald, D. Clegg, S.W. Wiler, R. Andretic, V.H. Cao, J.D. Miller, H.C. Heller and T.S. Kilduff (USA)	
Cloning and expression of <i>Shaker</i> α- and β-subunits during inner ear development	83
M.S. Rajeevan, S. Hu, Y. Sakai and B.H.A. Sokolowski (USA)	
Regional distribution of nicotinic receptor subunit mRNAs in human brain: comparison between Alzheimer and normal brain	94
E. Hellström-Lindahl, M. Mousavi, X. Zhang, R. Ravid and A. Nordberg (Sweden, Netherlands)	
Phase-dependent induction by light of rat <i>Clock</i> gene expression in the suprachiasmatic nucleus	104
H. Abe, S. Honma, M. Namihira, Y. Tanahashi, M. Ikeda, W. Yu and K.-i. Honma (Japan)	
Dopamine D-1 regulation of caudate neurotensin mRNA in the presence or absence of the nigrostriatal dopamine pathway	111
G.R. Hanson and K.A. Keele (USA)	
Identification of <i>cis</i> -acting elements in the proximal promoter region for brain-specific exon 1 of the mouse aromatase gene	122
S.-i. Honda, N. Harada, S. Abe-Dohmae and Y. Takagi (Japan)	
Dynamic expression of SEK1 suggests multiple roles of the gene during embryogenesis and in adult brain of mice	133
J.-K. Lee, W.-S. Hwang, Y.-D. Lee and P.-L. Han (South Korea)	
Expression of a serine protease (motopsin PRSS12) mRNA in the mouse brain: <i>in situ</i> hybridization histochemical study	141
N. Iijima, M. Tanaka, S. Mitsui, Y. Yamamura, N. Yamaguchi and Y. Ibata (Japan)	
Impairments in learning and memory accompanied by neurodegeneration in mice transgenic for the carboxyl-terminus of the amyloid precursor protein	150
J. Berger-Sweeney, D.L. McPhie, J.A. Arters, J. Greenan, M.L. Oster-Granite and R.L. Neve (USA)	
Presynaptic localization of the PACAP-type-I-receptor in hippocampal and cerebellar mossy fibres	163
C. Otto, W. Zuschratte, P. Gass and G. Schütz (Germany)	

Short communications

Cyclic nucleotide-gated cation channel expression in embryonic chick brain	175
L.C. Timpe, K.L. Jin, L. Puelles and J.L.R. Rubenstein (USA, Spain)	
Preproenkephalin mRNA and enkephalin levels in the adult Syrian hamster: the influence from glucocorticoids	179
R. Jimenez, B.C. Yoburn, S.E. Calvano and S.O. Franklin (USA)	

(Contents continued on p. 219)



0169-328X(19990320)66:1/2;1-W

BRAIN RESEARCH

MOLECULAR BRAIN RESEARCH

VOL. 66 NOS. 1,2

CONTENTS

20 MARCH 1999

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences

Guidelines for the submission of manuscripts

v

Research reports

A novel type of non-coding RNA expressed in the rat brain	1
Y. Komine, N.K. Tanaka, R. Yano, S. Takai, S. Yuasa, T. Shiroishi, K. Tsuchiya and T. Yamamori (Japan)	
Nicotinic receptor binding sites in rat primary neuronal cells in culture: characterization and their regulation by chronic nicotine	14
M.I. Dávila-García, R.A. Houghtling, S.S. Qasba and K.J. Kellar (USA)	
Gene expression of histamine H1 receptor in guinea pig primary sensory neurons: a relationship between H1 receptor mRNA-expressing neurons and peptidergic neurons	24
H. Kashiba, H. Fukui, Y. Morikawa and E. Senba (Japan)	
Dehydroepiandrosterone (DHEA) protects hippocampal cells from oxidative stress-induced damage	35
S. Bastianetto, C. Ramassamy, J. Poirier and R. Quirion (Canada)	
NMDAR-2A subunit protein expression is reduced in the hippocampus of rats exposed to Pb ²⁺ during development	42
M.K. Nihei and T.R. Guilarte (USA)	
Molecular pathways mediating activation by kainate of mitogen-activated protein kinase in oligodendrocyte progenitors	50
H.-N. Liu, J.N. Larocca and G. Almazan (Canada, USA)	
Differential effects of GDNF and BDNF on cultured ventral mesencephalic neurons	62
L. Feng, C.-Y. Wang, H. Jiang, C. Oho, K. Mizuno, M. Dugich-Djordjevic and B. Lu (USA, China)	
Developmental changes in nicotinic receptor mRNAs and responses to nicotine in the suprachiasmatic nucleus and other brain regions	71
B.F. O'Hara, E. Macdonald, D. Clegg, S.W. Wiler, R. Andretic, V.H. Cao, J.D. Miller, H.C. Heller and T.S. Kilduff (USA)	
Cloning and expression of <i>Shaker</i> α- and β-subunits during inner ear development	83
M.S. Rajeevan, S. Hu, Y. Sakai and B.H.A. Sokolowski (USA)	
Regional distribution of nicotinic receptor subunit mRNAs in human brain: comparison between Alzheimer and normal brain	94
E. Hellström-Lindahl, M. Mousavi, X. Zhang, R. Ravid and A. Nordberg (Sweden, Netherlands)	
Phase-dependent induction by light of rat <i>Clock</i> gene expression in the suprachiasmatic nucleus	104
H. Abe, S. Honma, M. Namihira, Y. Tanahashi, M. Ikeda, W. Yu and K.-i. Honma (Japan)	
Dopamine D-1 regulation of caudate neurotensin mRNA in the presence or absence of the nigrostriatal dopamine pathway	111
G.R. Hanson and K.A. Keele (USA)	
Identification of <i>cis</i> -acting elements in the proximal promoter region for brain-specific exon 1 of the mouse aromatase gene	122
S.-i. Honda, N. Harada, S. Abe-Dohmae and Y. Takagi (Japan)	
Dynamic expression of SEK1 suggests multiple roles of the gene during embryogenesis and in adult brain of mice	133
J.-K. Lee, W.-S. Hwang, Y.-D. Lee and P.-L. Han (South Korea)	
Expression of a serine protease (motopsin PRSS12) mRNA in the mouse brain: <i>in situ</i> hybridization histochemical study	141
N. Iijima, M. Tanaka, S. Mitsui, Y. Yamamura, N. Yamaguchi and Y. Ibata (Japan)	
Impairments in learning and memory accompanied by neurodegeneration in mice transgenic for the carboxyl-terminus of the amyloid precursor protein	150
J. Berger-Sweeney, D.L. McPhie, J.A. Arters, J. Greenan, M.L. Oster-Granite and R.L. Neve (USA)	
Presynaptic localization of the PACAP-type-I-receptor in hippocampal and cerebellar mossy fibres	163
C. Otto, W. Zuschratte, P. Gass and G. Schütz (Germany)	

Short communications

Cyclic nucleotide-gated cation channel expression in embryonic chick brain	175
L.C. Timpe, K.L. Jin, L. Puelles and J.L.R. Rubenstein (USA, Spain)	
Preproenkephalin mRNA and enkephalin levels in the adult Syrian hamster: the influence from glucocorticoids	179
R. Jimenez, B.C. Yoburn, S.E. Calvano and S.O. Franklin (USA)	

(Contents continued on p. 219)



0169-328X(19990320)66:1/2;1-W

(contents continued)

Acute intermittent morphine increases preprodynorphin and kappa opioid receptor mRNA levels in the rat brain X.-M. Wang, Y. Zhou, R. Spangler, A. Ho, J.-S. Han and M.J. Kreek (USA, China)	184
Phospholipase pathway in Alzheimer's disease brains: decrease in G _{ai} in dorsolateral prefrontal cortex R.A. Young, K. Talbot, Z.-y. Gao, J.Q. Trojanowski and B.A. Wolf (USA)	188
Regulation of hypothalamic somatostatin and growth hormone releasing hormone mRNA levels by inhibin E. Carro, R.M. Señaris, F. Mallo and C. Diéguez (Spain)	191
Localization of mRNA for <i>Dri 42</i> , subtype 2b of phosphatidic acid phosphatase, in the rat brain during development R. Suzuki, H. Sakagami, Y. Owada, Y. Handa and H. Kondo (Japan)	195
Sex steroid modulation of neurokinin B gene expression in the arcuate nucleus of adult male rats S.C. Danzer, R.O. Price, N.T. McMullen and N.E. Rance (USA)	200
Regional and cellular localization of calcitonin gene-related peptide-receptor component protein mRNA in the guinea-pig central nervous system K.R. Oliver, A. Wainwright, A.M. Kinsey, R.P. Heavens, D.J.S. Sirinathsingji and R.G. Hill (UK)	205
Inducible transcription factor expression in a cell culture model of apoptosis A. Woodgate, M. Walton, G.A. MacGibbon and M. Dragunow (New Zealand)	211
<i>Author Index</i>	217

This journal is part of ContentsDirect, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. The quickest way to register for **ContentsDirect** is via the World Wide Web at: www.elsevier.nl/locate/ContentsDirect
 If you don't have access to the WWW you can register for this service by sending an e-mail message to csubs@elsevier.co.uk specifying the title of the publication you wish to register for. The tables of contents are also available on the Elsevier Science website at: www.elsevier.nl or www.elsevier.com or www.elsevier.co.jp

